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## STEREO IMAGE PROCESSING FOR RADIOGRAPHY

### ABSTRACT OF THE DISCLOSURE

Pairs of stereo X-ray radiographs are obtained from an X-ray imaging system and are digitized to form corresponding pairs of stereo images (602, 604). The pairs of  
5 stereo images (602, 604) are adjusted (410) to compensate for gray-scale illumination differences by grouping and processing pixel groups in each pair of images. Distortion in the nature of depth plane curvature and Keystone distortion due to the toed-in configuration of the X-ray imaging system are eliminated (412). A screen parallax for the pair of stereo images is adjusted (414) to minimize depth range so as to enable a  
10 maximum number of users to view the stereoscopic image, and particular features of interest.

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